

23 June 2008

Positions Available - Postdoctoral Researcher

[University of Washington, Seattle](#)
[MEMS Laboratory](#)

Overview

Prof. Karl Böhringer's MEMS laboratory is inviting applications for postdoctoral research positions beginning in Summer/Autumn 2008 in the area of microfabrication and microfluidics. The first position aims at developing novel sample holders for transmission electron microscopy. This project is a close collaboration with a local business, Hummingbird Scientific. Exceptional opportunities exist to participate in break-through molecular-scale imaging and to play a crucial role at a successful start-up company.

Additional positions may be available in the areas of biosensors, single cell monitoring, microfluidics, self-assembly, and related areas. Please check in again soon.

Appointments will be for one year with the possibility of reappointment on an annual basis in accordance with performance and applicable personnel policies. Salary is dependent on qualifications.

Requirements

Applicants must have earned a doctoral degree in Electrical Engineering, Materials Science, Chemistry, Physics, or related engineering disciplines in 2005 or later. Expertise in microfabrication, knowledge of microfluidics, experience with Solid Works or other CAD systems, strong communication skills, good problem solving skills, independent thinking, and willingness to travel are required. Experience with thin films, TEM and SEM operation, FEA mechanical and thermal modeling, and LabView programming are also strongly desired.

Responsibilities

Design, build and test various microfluidic devices for use in next-generation transmission electron microscopes for nano or Angstrom scale imaging of chemical or biochemical processes. Analytical modeling of microfluidic systems. Writing of scientific publications and grant proposals. Mentoring of graduate and undergraduate students.

Application

Interested individuals should send their CV, one representative publication, and a list of three references (with e-mail addresses and phone numbers) to Prof. Karl Böhringer, karl@ee.washington.edu.